CLAIMS:

1. Method (200) of encrypting a data stream comprising at least one stream of audiovisual data, comprising steps of:

(a) segmenting (206) the stream of audiovisual data in data segments (320);

(b) providing (216) the data segments with ID data in an ID segment (312), the ID data being different from ID data being pre-determined to identify the type of data in the stream of audiovisual data; and

(c) partly encrypting (214) the data segments, leaving the ID segment unencrypted.

2. Method according to claim 1, wherein the method further comprises the step of creating (210) data packs (300), each data pack comprising at least one data segment and wherein in the step of partly encrypting the data segments, the ID segment of at least on data segment is unencrypted.

3. Method according to claim 1, wherein the data stream comprises multiple streams of different types of audiovisual data and data segments of at least one stream of audiovisual data are encrypted.

4. Method according to claim 3, wherein data segments of at least one stream of audiovisual data is provided with ID segments comprising ID data being different from ID data being pre-determined to identify the type of data in the stream of audiovisual data.

5. Method according to claim 3, wherein the multiple streams of audiovisual data are provided simultaneously and the method further comprising the step of multiplexing (212, 230) the segments comprising data of the multiple streams of audiovisual data to a further data stream.

6. Method according to claim 1, wherein the data segments are provided (208) with further ID data in the ID segment, the further ID data being pre-determined to identify the type of data in the stream of audiovisual data and the further ID data being in a further

step (216) replaced by the ID data being different from ID data being pre-determined to identify the type of data in the stream of audiovisual data.

7. Method according to claim 2, wherein the data packs are MPEG-2 data stream packs.

8. Method according to claim 1, wherein the ID data being pre-determined to identify the type of data in the stream of audiovisual data is pre-determined by the DVD standard.

9. Method according to claim 1, further comprising the step of providing an empty stream of audiovisual data of the same type as the stream of audiovisual data for which non pre-determined ID data has been provided, the empty stream of audiovisual data being provided with ID data pre-determined for identifying that type of data.

10. Method (300) of storing a data stream comprising at least one stream of audiovisual data, comprising the step of receiving the data stream, the method as claimed in claim 1 and the step of storing the segmented and encrypted data on a storage medium.

11. Circuit (110) for encrypting a data stream comprising at least one stream of audiovisual data, comprising:

(a) a segmenting unit (104) for segmenting the stream of audiovisual data in data segments;

(b) a unit (106) for providing the data segment with ID data in an ID segment, the ID data being different from ID data being pre-determined to identify the type of data in the stream of audiovisual data; and

(c) an encryption unit (105) for partly encrypting the data segments, leaving the ID segment unencrypted.

12. Circuit according to claim 11, further comprising a packing unit (104) for creating data packs (300), each data pack comprising at least one data segment; and wherein in the step of partly encrypting the data segments, the ID segment of at least on data segment is unencrypted.

13. Apparatus for storing data, comprising:

(a) a receiver (101) for receiving data;

(b) the circuit according to claim 11; and

(c) a storage device (107) for storing the encrypted data on a storage medium (107).

14. Method (500) of decrypting audiovisual data encrypted using to the method as claimed in claim 1, comprising the steps of:

(a) decrypting (506) the partly encrypted data segments (320, 300);

(b) recognising (508) that the data carried by the ID segment is different from ID data being pre-determined to identify the type of data in the stream of audiovisual data and recognising the actual type of data comprised by the data segments; and

(c) forming (510) a stream of audiovisual data from the data segments.

15. Method (500) of retrieving an rendering data stored using the method as claimed in claim 10, comprising:

(a) the step of retrieving (504) data stored on the storage medium;

(b) the method as claimed in claim 14; and

(c) the step of rendering the decrypted stream of audiovisual data.

16. Circuit (410) for decrypting audiovisual data encrypted by the circuit as claimed in claim 11, comprising:

(a) A decryption unit (402) for decrypting the partly encrypted data segments;

(b) An identification unit (403) for recognising that the data carried by the ID segment is different from ID data being pre-determined to identify the type of data in the stream of audiovisual data and recognising the actual type of data comprised by the data segments; and

(c) A streaming unit (403) for forming a stream of audiovisual data from the data segments.

17. Apparatus for rendering and retrieving audiovisual data, comprising:

(a) a storage device (401) for retrieving data from a storage medium;

(b) the circuit according to claim 16; and

(c) a circuit (404) for rendering the decrypted stream of audiovisual data.

18. Computer programme product comprising computer readable instruction for programming a processing unit for executing the method according to claim 1.

19. Data carrier carrying the computer programme product as claimed in claim 1.

20. Programmed computer enabled to execute the method according to claim 1.

21. Computer programme product comprising computer readable instruction for programming a processing unit for executing the method according to claim 14.

22. Data carrier carrying the computer programme product as claimed in claim 14.

23. Programmed computer enabled to execute the method according to claim 14.

24. Data carrier (107, 401) carrying data encrypted using the method according to claim 1.

25. Data carrier according to claim 24, wherein the data carrier is a DVD recordable disc.

26. Data carrier according to claim 24, wherein the data carrier is a DVD rewritable disc.